## Refine Search

#### Search Results -

| Terms         | Documents |
|---------------|-----------|
| L9 and 562/\$ | 22        |

US Pre-Grant Publication Full-Text Database

US Patents Full-Text Database US OCR Full-Text Database

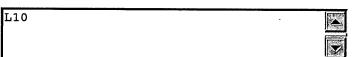
Database:

US OCR Full-Text Database EPO Abstracts Database

JPO Abstracts Database Derwent World Patents Index

IBM Technical Disclosure Bulletins

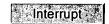
Search:











#### **Search History**

DATE: Thursday, October 06, 2005 Printable Copy Create Case

| Set Name side by side |  | Hit Count |            |
|-----------------------|--|-----------|------------|
| -                     | SPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ                   |           | result set |
| <u>L10</u>            | L9 and 562/\$  | 22        | <u>L10</u> |
| <u>L9</u>             | L8 and hydrogen  | 37        | <u>L9</u>  |
| <u>L8</u>             | L6 and separ\$6 and catalyst and oxi\$7                          | 43        | <u>L8</u>  |
| <u>L7</u>             | L6 and 560/\$  | 6         | <u>L7</u>  |
| <u>L6</u>             | L5 and (carboxybenzaldehdye or trimellitic acid or fluorenenone) | 60        | <u>L6</u>  |
| <u>L5</u>             | L4 and impurit\$5  | 341       | <u>L5</u>  |
| <u>L4</u>             | L3 and (filter or centrifuge)                                    | 970       | <u>L4</u>  |
| <u>L3</u>             | terephthalic acid and slurry and b and color                     | 2014      | <u>L3</u>  |
| <u>L2</u>             | TEREPTHALIC ACID AND SLURRY AND B AND COLOR                      | · 14      | <u>L2</u>  |
| <u>L1</u>             | TEREPTHALIC ACID AND SLURRY AND BAND COLOR                       | 0         | L1         |

**END OF SEARCH HISTORY** 

#### **Hit List**

Glear: Cenerate Collection Print Fwd Refs : Blave Refs Generate OACS

**Search Results -** Record(s) 1 through 10 of 22 returned.

☐ 1. Document ID: US 6765113 B2

Using default format because multiple data bases are involved.

L10: Entry 1 of 22

File: USPT

Jul 20, 2004

US-PAT-NO: 6765113

DOCUMENT-IDENTIFIER: US 6765113 B2

TITLE: Production of aromatic carboxylic acids

DATE-ISSUED: July 20, 2004

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY Graham; Derek Alexander Cleveland Hamley; Paul Anthony Nottingham GB Oliver; Raymond Stockton on Tees GB Poliakoff; Martyn Nottingham GB Woodcock; Duncan Cheshire GB Ilkenhans; Thomas Cambridge GB

US-CL-CURRENT: <u>562/413; 562/407</u>, <u>562/408, 562/409, 562/412, 562/414, 562/415,</u>  $\underline{562}/\underline{421}$ ,  $\underline{562}/\underline{480}$ ,  $\underline{562}/\underline{485}$ ,  $\underline{562}/\underline{486}$ ,  $\underline{562}/\underline{487}$ 

| Fυ | ll Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw, De |
|----|----------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
|    |          |          |       |        |                |      |           |           |             |        |      |          |
|    |          |          |       |        |                |      |           |           |             |        |      |          |

☐ 2. Document ID: US 6448436 B1

L10: Entry 2 of 22

File: USPT

Sep 10, 2002

US-PAT-NO: 6448436

DOCUMENT-IDENTIFIER: US 6448436 B1

TITLE: Integrated process for the production of 2, 6-naphthalene dicarboxylic acid

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC - Draw, De

☐ 3. Document ID: US 6392091 B1

L10: Entry 3 of 22

File: USPT

May 21, 2002

US-PAT-NO: 6392091

DOCUMENT-IDENTIFIER: US 6392091 B1

TITLE: Process of purifying and producing high purity aromatic polycarboxylic acids

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw. De

☐ 4. Document ID: US 6307099 B1

L10: Entry 4 of 22

File: USPT

Oct 23, 2001

US-PAT-NO: 6307099

DOCUMENT-IDENTIFIER: US 6307099, B1

TITLE: Production of terephthalic acid

Full Title Citation Front Review Classification Date Reference <mark>Sequences Attachments</mark> Claims KMC Draw. De

□ 5. Document ID: US 6291707 B1

L10: Entry 5 of 22

File: USPT

Sep 18, 2001

US-PAT-NO: 6291707

DOCUMENT-IDENTIFIER: US 6291707 B1

TITLE: Process of purifying and producing high purity aromatic polycarboxylic acids

and derivatives thereof

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw, De

☐ 6. Document ID: US 6255525 B1

L10: Entry 6 of 22

File: USPT

Jul 3, 2001

US-PAT-NO: 6255525

DOCUMENT-IDENTIFIER: US 6255525 B1

\*\* See image for Certificate of Correction \*\*

TITLE: Process for preparing purified carboxylic acids

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWIC Draw, De

☐ 7. Document ID: US 6194609 B1

L10: Entry 7 of 22

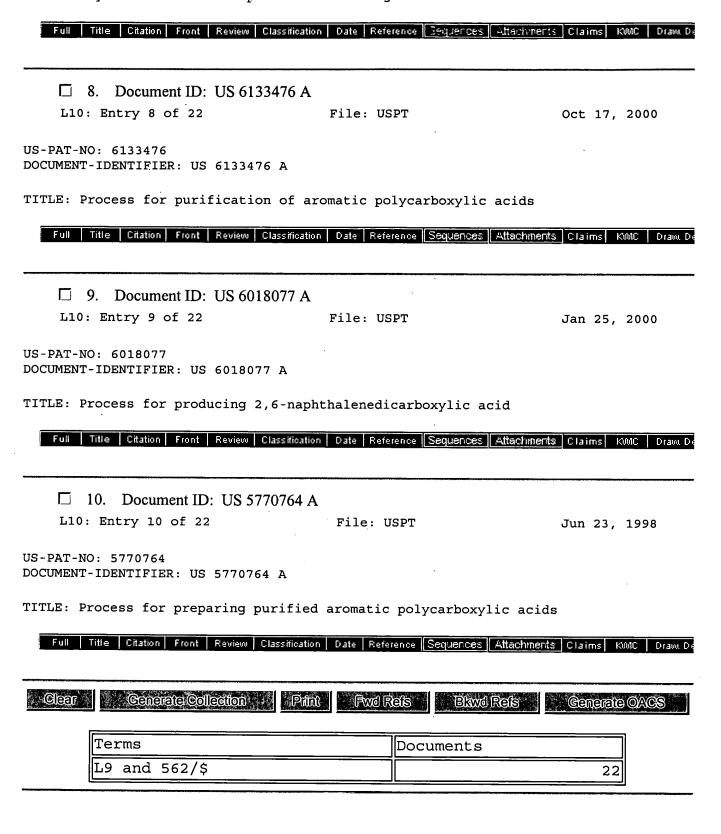
File: USPT

Feb 27, 2001

US-PAT-NO: 6194609

DOCUMENT-IDENTIFIER: US 6194609 B1

TITLE: Crystallization in a plate heat exchanger



Change Format

**Display Format:** -

Previous Page

Next Page

Go to Doc#

#### **Hit List**

First Hit A Clear S. A Generate Collection Print Fixed Refs Blown Refs Concrete OACS

**Search Results** - Record(s) 11 through 20 of 22 returned.

☐ 11. Document ID: US 5756833 A

Using default format because multiple data bases are involved.

L10: Entry 11 of 22

File: USPT

May 26, 1998

US-PAT-NO: 5756833

DOCUMENT-IDENTIFIER: US 5756833 A

\*\* See image for Certificate of Correction \*\*

TITLE: Catalytic purification and recovery of dicarboxylic aromatic acids

DATE-ISSUED: May 26, 1998

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Rosen; Bruce I.

Morton Grove

ΙL

Bartos; Thomas M.

Naperville

 $_{
m IL}$ 

US-CL-CURRENT: <u>562/486</u>; <u>562/412</u>, <u>562/485</u>

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw. De

☐ 12. Document ID: US 5728870 A

L10: Entry 12 of 22

File: USPT

Mar 17, 1998

US-PAT-NO: 5728870

DOCUMENT-IDENTIFIER: US 5728870 A

TITLE: Process for preparing purified 2,6-naphthalenedicarboxylic acid

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw. De

☐ 13. Document ID: US 5629446 A

L10: Entry 13 of 22

File: USPT

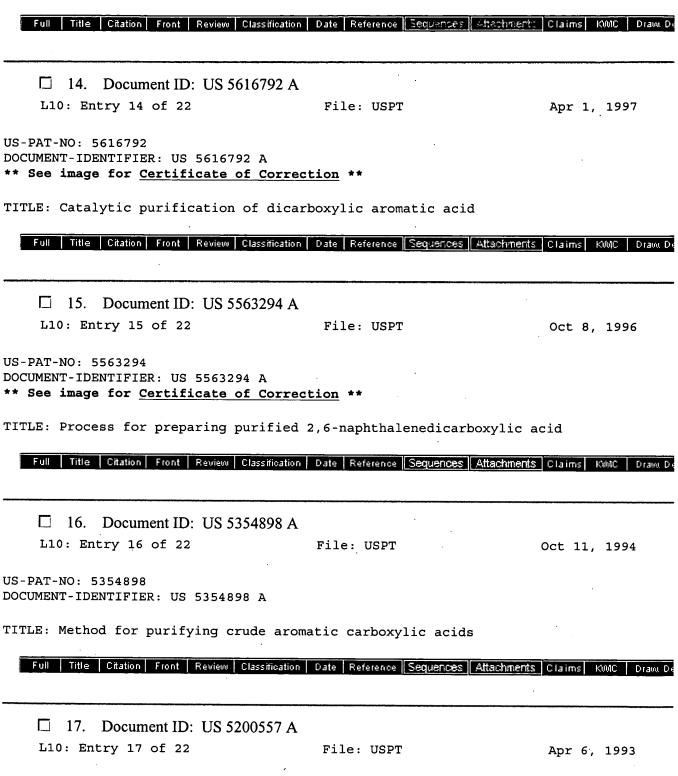
May 13, 1997

US-PAT-NO: 5629446

DOCUMENT-IDENTIFIER: US 5629446 A

\*\* See image for Certificate of Correction \*\*

TITLE: Process for preparing purified 2,6-naphthalenedicarboxylic acid



US-PAT-NO: 5200557

DOCUMENT-IDENTIFIER: US 5200557 A

TITLE: Process for preparation of crude <u>terephthalic acid</u> suitable for reduction to prepare purified <u>terephthalic acid</u>

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw De

☐ 18. Document ID: US 5112992 A L10: Entry 18 of 22 File: USPT May 12, 1992 US-PAT-NO: 5112992 DOCUMENT-IDENTIFIER: US 5112992 A TITLE: Production of polycarboxylic acids with hafnium-activated cobalt catalyst Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWIC Draw De ☐ 19. Document ID: US 5095135 A L10: Entry 19 of 22 File: USPT Mar 10, 1992 US-PAT-NO: 5095135 DOCUMENT-IDENTIFIER: US 5095135 A TITLE: Process for the preparation of high-purity naphthalenecarboxylic acid esters Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KVMC Draw, De ☐ 20. Document ID: US 4948921 A L10: Entry 20 of 22 File: USPT Aug 14, 1990 US-PAT-NO: 4948921 DOCUMENT-IDENTIFIER: US 4948921 A \*\* See image for Certificate of Correction \*\* TITLE: Process for the production and recovery of trimellitic acid Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw Do Clear Cenerate Collection Primi Fwd Refs **Elawd Refs** Generate OACS Terms Documents L9 and 562/\$ 22

•

Change Format

Display Format: |-

Previous Page Next Page Go to Doc#

### Hit List

# First Hit Clear Calcate Collection Print Fwd Refs Blood Refs Generate OACS

**Search Results -** Record(s) 21 through 22 of 22 returned.

☐ 21. Document ID: US 4755622 A

Using default format because multiple data bases are involved.

L10: Entry 21 of 22

File: USPT

Jul 5, 1988

US-PAT-NO: 4755622

DOCUMENT-IDENTIFIER: US 4755622 A

\*\* See image for Certificate of Correction \*\*

TITLE: Process for the production of trimellitic acid and pyromellitic acid by

staged bromine addition in an oxidation of polyalkylaromatics

DATE-ISSUED: July 5, 1988

INVENTOR - INFORMATION:

NAME

CITY

STATE ZIP CODE COUNTRY

Schammel; Wayne P.

Naperville

IL

Darin, deceased; John K.

late of Naperville

 $_{
m IL}$ 

US-CL-CURRENT:  $\underline{562}/\underline{413}$ ;  $\underline{562}/\underline{414}$ ,  $\underline{562}/\underline{416}$ 

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Drawi De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
|      |       |          |       |        |                |      | -         | •         |             |        | ·    |          |
|      |       |          |       |        |                |      |           |           |             |        |      |          |

☐ 22. Document ID: US 4675438 A

L10: Entry 22 of 22

File: USPT

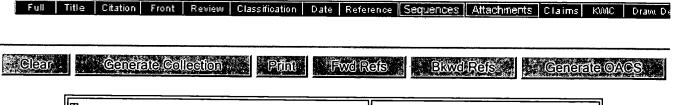
Jun 23, 1987

US-PAT-NO: 4675438

DOCUMENT-IDENTIFIER: US 4675438 A

\*\* See image for Certificate of Correction \*\*

TITLE: Direct continuous flow integration of production and purification of high purity iso- or terephthalic acid



| Terms         | Documents |
|---------------|-----------|
| L9 and 562/\$ | 22        |
|               |           |

Display Format: - Change Format

Previous Page Next Page Go to Doc#